

ABSTRACT OF THE DISCLOSURE

5 An electrical power system that can be used to interconnect a plurality of generators to a plurality to loads while being rated at less than a total power consumed. The system is preferably used to distribute power for a Liquid Natural Gas (LNG) facility. The system broadly comprises a primary bus connected between the generators and the loads, such as electrical compressor motors used in the LNG facility. The generators and the loads are arranged along the primary bus in order to distribute the power from the generators to the loads, without overloading the primary bus.